



ENTERED

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/771,961

DATE: 04/16/2002

TIME: 13:58:26

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\04162002\I771961.raw

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4 <110> APPLICANT: Donoho, Gregory
5   Hilbun, Erin
6   Turner, C. Alexander Jr.
7   Friedrich, Glenn
8   Abuin, Alejandro
9   Zambrowicz, Brian
10  Sands, Arthur T.
12 <120> TITLE OF INVENTION: Novel Human BCL-X-Like Proteins and
13   Polynucleotides Encoding the Same
16 <130> FILE REFERENCE: LEX-0127-USA
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/771,961
C--> 18 <141> CURRENT FILING DATE: 2001-01-29
18 <150> PRIOR APPLICATION NUMBER: US 60/180,412
19 <151> PRIOR FILING DATE: 2000-02-04
21 <160> NUMBER OF SEQ ID NOS: 5
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
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33 gctctcttct caccaaagct gctgagaaca agaagtttgt cccagagggg cctggggaat      180
34 tggttcagcaa atgagtcagt gacagaggtg tcatggcctt gcagaaattc ccaatccagt      240
35 gagaaggcca taaaccttgg caagaaaaag tcttcttga aagcattctt tggagtagtg      300
36 gagaagggaag attcgacag cagcctgcc aaggtctctg ctcagggtca aaggacgttg      360
37 gaataccaag attcgacag ccagcagtgg tccaggtgtc tttctaactg ggagcagtgc      420
38 ttggagcatg aagctgtgga ccccaaagtc atttccattg ccaaccgagt agctgaaatt      480
39 gtttattcct ggccaccacc acaagcgacc caggcaggag gcttcaagtc caaagagatt      540
40 tttgtaactg aggtctctc cttccagctc caaggccacg tgctgtagc ttcaagttct      600
41 aagaaagatg aagaagaaca aatactagcc aaaattgttg agctgctgaa atattcagga      660
42 gatcagttgg aaagaaagct gaagaaagat aaggctttga tgggccactt ccaggatggg      720
43 ctgtctact ctgttttcaa gaccatcaca gaccaggtcc taatgggtgt ggacccag      780
44 ggagaatcag aggtcaaagc tcagggtctt aaggctgccc ttgtaataga cgtcacggcc      840
45 aagctcacag ctattgacaa ccacccgatg aacagggtcc tgggctttgg caccaagtac      900
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50 <211> LENGTH: 327
51 <212> TYPE: PRT
52 <213> ORGANISM: Homo sapiens
54 <400> SEQUENCE: 2

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55 Met Cys Ser Thr Ser Gly Cys Asp Leu Glu Glu Ile Pro Leu Asp Asp
56 1 5 10 15 /
57 Asp Asp Leu Asn Thr Ile Glu Phe Lys Ile Leu Ala Tyr Tyr Thr Arg
58 20 25 30
59 His His Val Phe Lys Ser Thr Pro Ala Leu Phe Ser Pro Lys Leu Leu
60 35 40 45
61 Arg Thr Arg Ser Leu Ser Gln Arg Gly Leu Gly Asn Cys Ser Ala Asn
62 50 55 60
63 Glu Ser Trp Thr Glu Val Ser Trp Pro Cys Arg Asn Ser Gln Ser Ser
64 65 70 75 80
65 Glu Lys Ala Ile Asn Leu Gly Lys Lys Lys Ser Ser Trp Lys Ala Phe
66 85 90 95
67 Phe Gly Val Val Glu Lys Glu Asp Ser Gln Ser Thr Pro Ala Lys Val
68 100 105 110
69 Ser Ala Gln Gly Gln Arg Thr Leu Glu Tyr Gln Asp Ser His Ser Gln
70 115 120 125
71 Gln Trp Ser Arg Cys Leu Ser Asn Val Glu Gln Cys Leu Glu His Glu
72 130 135 140
73 Ala Val Asp Pro Lys Val Ile Ser Ile Ala Asn Arg Val Ala Glu Ile
74 145 150 155 160
75 Val Tyr Ser Trp Pro Pro Gln Ala Thr Gln Ala Gly Gly Phe Lys
76 165 170 175
77 Ser Lys Glu Ile Phe Val Thr Glu Gly Leu Ser Phe Gln Leu Gln Gly
78 180 185 190
79 His Val Pro Val Ala Ser Ser Ser Lys Lys Asp Glu Glu Glu Gln Ile
80 195 200 205
81 Leu Ala Lys Ile Val Glu Leu Leu Lys Tyr Ser Gly Asp Gln Leu Glu
82 210 215 220
83 Arg Lys Leu Lys Lys Asp Lys Ala Leu Met Gly His Phe Gln Asp Gly
84 225 230 235 240
85 Leu Ser Tyr Ser Val Phe Lys Thr Ile Thr Asp Gln Val Leu Met Gly
86 245 250 255
87 Val Asp Pro Arg Gly Glu Ser Glu Val Lys Ala Gln Gly Phe Lys Ala
88 260 265 270
89 Ala Leu Val Ile Asp Val Thr Ala Lys Leu Thr Ala Ile Asp Asn His
90 275 280 285
91 Pro Met Asn Arg Val Leu Gly Phe Gly Thr Lys Tyr Leu Lys Glu Asn
92 290 295 300
93 Phe Ser Pro Trp Ile Gln Gln His Gly Gly Trp Glu Lys Ile Leu Gly
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95 Ile Ser His Glu Glu Val Asp
96 325
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106 gctctcttct caccaaagct gctgagaaca agaagtttgt cccagagggg cctggggaat 180
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108 gagaaggcca taaaccttgg caagaaaaag tcttcttgga aagcattctt tggagtagtg 300
109 gagaaggaag attcgcagag caccgctgcc aaggtctctg ctcagggtca aaggacgttg 360
110 gaataccaag attcgcacag ccagcagtggtg tccaggtgtc tttctaactg ggagcagtg 420
111 ttggagcatg aagctgtgga ccccaaagtc atttccattg ccaaccgagt agctgaaatt 480
112 gtttattcct ggccaccacc acaagcgacc caggcaggag gcttcaagtc caaagagatt 540
113 tttgtaactg agggctctct cttccagctc caaggccacg tgcctgtagc ttcaagttct 600
114 aagaaagatg aagaagaaca aatactagcc aaaattgttg agctgctgaa atattcagga 660
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128 His His Val Phe Lys Ser Thr Pro Ala Leu Phe Ser Pro Lys Leu Leu
129 35 40 45
130 Arg Thr Arg Ser Leu Ser Gln Arg Gly Leu Gly Asn Cys Ser Ala Asn
131 50 55 60
132 Glu Ser Trp Thr Glu Val Ser Trp Pro Cys Arg Asn Ser Gln Ser Ser
133 65 70 75 80
134 Glu Lys Ala Ile Asn Leu Gly Lys Lys Lys Ser Ser Trp Lys Ala Phe
135 85 90 95
136 Phe Gly Val Val Glu Lys Glu Asp Ser Gln Ser Thr Pro Ala Lys Val
137 100 105 110
138 Ser Ala Gln Gly Gln Arg Thr Leu Glu Tyr Gln Asp Ser His Ser Gln
139 115 120 125
140 Gln Trp Ser Arg Cys Leu Ser Asn Val Glu Gln Cys Leu Glu His Glu
141 130 135 140
142 Ala Val Asp Pro Lys Val Ile Ser Ile Ala Asn Arg Val Ala Glu Ile
143 145 150 155 160
144 Val Tyr Ser Trp Pro Pro Gln Ala Thr Gln Ala Gly Gly Phe Lys
145 165 170 175
146 Ser Lys Glu Ile Phe Val Thr Glu Gly Leu Ser Phe Gln Leu Gln Gly
147 180 185 190
148 His Val Pro Val Ala Ser Ser Ser Lys Lys Asp Glu Glu Glu Gln Ile
149 195 200 205
150 Leu Ala Lys Ile Val Glu Leu Leu Lys Tyr Ser Gly Asp Gln Leu Glu
151 210 215 220
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154 Gln Gly Phe Pro Gln Asp Gly Leu Met Ala Cys Ile
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157 <210> SEQ ID NO: 5

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Input Set : A:\Seqlist.txt

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165 atagaaatat ccttactgcc acctgacctg aagcagaaga aatcacagac agcttccaga      180
166 ccaggcccaa catgtgtagc accagtgggt gtgacctgga agaaatcccc ctatgatgatg      240
167 atgacctaaa caccatagaa ttcaaaatcc tgcctacta caccagacat catgtcttca      300
168 agagcaccct tgctctcttc tcaccaaagc tgctgagaac aagaagtttg tcccagaggg      360
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170 cccaatccag tgagaaggcc ataaaccttg gcaagaaaaa gtcttcttgg aaagcattct      480
171 ttggagtagt ggagaaggaa gattcgaga gcacgcctgc caaggtctct gctcagggtc      540
172 aaaggacgtt ggaataccaa gattcgaca gccagcagtg gtccaggtgt ctttctaacg      600
173 tggagcagtg cttggagcat gaagctgtgg accccaaagt catttccatt gccaaccgag      660
174 tagctgaaat tgtttattcc tggccaccac cacaagcgac ccaggcagga ggcttcaagt      720
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196 tagtacaatg attggtagca ggtaaaataa atacatagaa agacwamwrw caaaagagtg      2040
197 tcttctgatt agtaaggaat aagtcttctg gattatcaaa tggagttaat ttacataaaa      2100
198 atgctcaaaa cacttcttgg tacttaatgt ta      2132

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/771,961

DATE: 04/16/2002

TIME: 13:58:28

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\04162002\I771961.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No  
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date